

Claims:

1-49. (Canceled)

50. (New) A computer-readable medium encoded with a computer program for directing a computer to implement a critical path scheduling system for a construction project, the program comprising:

a project task manager program segment for directing the computer to receive a plurality of construction project task records, to identify critical project tasks, to generate a critical path schedule based on the critical project task records, and to electronically present the critical path schedule to a project participant;

a pro-active manager program segment for directing the computer to monitor a status of the critical path schedule and to generate an alert based on the status; and

a communications manager program segment for directing the computer to send and receive project-related communications generated by the project participant and by the computer.

51. (New) The computer-readable medium as set forth in claim 50, wherein the project task manager program segment further directs the computer to present a construction project template to the project participant, wherein the template displays a list of tasks, indicates which tasks are critical tasks, and receives project task records from the participant.

52. (New) The computer-readable medium as set forth in claim 51, wherein the construction project template displays tasks related to a project chosen from the group consisting of team assembly, site acquisition, building design, permit acquisition, and construction.

53. (New) The computer-readable medium as set forth in claim 50, wherein the alert notifies a project participant of a need to perform a task before the task becomes critical.

54. (New) The computer-readable medium as set forth in claim 50, wherein the alert notifies a project participant of a completion percentage of a critical project task that is behind schedule.

55. (New) The computer-readable medium as set forth in claim 50, wherein the communications manager program segment further directs the computer to selectively send and receive the communications via telephone, facsimile, electronic mail, and a hand held device.

56. (New) The computer-readable medium as set forth in claim 50, wherein each task record indicates a previous task and a subsequent task.

57. (New) The computer-readable medium as set forth in claim 50, wherein the project task manager program segment directs the computer to present a bar graph of tasks and task relationships over a scrolling time period.

58. (New) The computer-readable medium as set forth in claim 50, wherein the project task manager program segment directs the computer to present a calendar of tasks and task relationships over a scrolling time period.

59. (New) A computer-readable medium encoded with a computer program for directing a computer to implement a scheduling system for a construction project, the program comprising:

a project task manager program segment for directing the computer to receive a plurality of construction project task records, to receive a plurality of construction project documents, to electronically link the task documents to respective task records, and to electronically present a project schedule to a project participant based on the task records;

a pro-active manager program segment for directing the computer to monitor a status of the schedule and to generate an alert based on the status; and

a communications manager program segment for directing the computer to send and receive project-related communications generated by the project participant and by the computer.

60. (New) The computer-readable medium as set forth in claim 59, wherein the project task manager program segment further directs the computer to present a construction project template to the project participant, wherein the template displays a list of tasks and receives project task records and project documents from the participant.

61. (New) The computer-readable medium as set forth in claim 60, wherein the construction project template displays tasks related to a project chosen from the group consisting of team assembly, site acquisition, building design, permit acquisition, and construction.

62. (New) The computer-readable medium as set forth in claim 59, wherein the pro-active manager program segment directs the computer to monitor a status of the documents and to generate an alert based on the status of the documents.

63. (New) A computer-readable medium encoded with a computer program for directing a computer to implement a critical path scheduling system for a construction project, the program comprising:

a project task manager program segment for directing the computer to receive a plurality of construction project task records, to receive a plurality of construction project documents, to electronically link the documents to corresponding to task records in the schedule, to identify critical project tasks, to generate a critical path schedule based on the critical project tasks, and to electronically present the critical path schedule to a project participant;

a pro-active manager program segment for directing the computer to monitor a status of the critical path schedule and to generate an alert based on the status; and

a communications manager program segment for directing the computer to send and receive project-related communications generated by the project participant and by the computer.

64. (New) The computer-readable medium as set forth in claim 63, wherein the project task manager program segment further directs the computer to present a construction project template to the project participant, wherein the template displays a list of tasks, indicates which tasks are critical tasks, and receives project task records from the participant.

65. (New) The computer-readable medium as set forth in claim 64, wherein the construction project template displays tasks related to a project chosen from the group consisting of team assembly, site acquisition, building design, permit acquisition, and construction.

66. (New) The computer-readable medium as set forth in claim 63, wherein the alert notifies a project participant of a need to perform a task before the task becomes critical.

67. (New) The computer-readable medium as set forth in claim 63, wherein the alert notifies a project participant of a completion percentage of a critical project task.

68. (New) The computer-readable medium as set forth in claim 63, wherein the communications manager program segment further directs the computer to selectively send and receive the communications via telephone, facsimile, electronic mail, and a hand held device.

69. (New) The computer-readable medium as set forth in claim 63, wherein each task record indicates a previous task and a subsequent task.

70. (New) The computer-readable medium as set forth in claim 63, wherein the project task manager program segment directs the computer to present a bar graph of tasks and task relationships over a scrolling time period.

71. (New) The computer-readable medium as set forth in claim 63, wherein the project task manager program segment directs the computer to present a calendar of tasks and task relationships over a scrolling time period.



72. (New) A computer-readable medium encoded with a computer program for directing a computer to implement a critical path scheduling system for a construction project, the program comprising:

- a project task manager program segment for directing the computer to present a construction project template to a project participant wherein the template indicates which tasks are critical tasks, receives a plurality of construction project task records, and receives a plurality of construction project documents, to electronically link the documents to corresponding task records in the schedule, to identify critical project tasks, to generate a critical path schedule based on the critical project tasks, and to electronically present the critical path schedule to a project participant;

- a pro-active manager program segment for directing the computer to monitor a status of the critical path schedule and a status of the documents and to generate an alert based on the status of the schedule and a the status of the documents, wherein the alert notifies a plurality of participants of a need to perform a task before the task becomes critical and notifies the participants of a completion percentage of a critical project task that is behind schedule; and

- a communications manager program segment for directing the computer to selectively send and receive project-related communications generated by the project participant and by the computer, wherein the communications are sent and received via telephone, facsimile, electronic mail, and a hand held device network.